

ABSTRACT OF THE DISCLOSURE

A vehicle air-conditioning system improves a passenger's sensation of cooling by preventing air blown from a foot opening when a cooling load is low, creating a comfortable temperature distribution along the passenger's body. The vehicle air-conditioning system automatically selects a face mode when a target air temperature (TAO) is between a first predetermined temperature and a second predetermined temperature, which is higher than the first predetermined temperature, a bi-level mode when the TAO is higher than the first predetermined temperature and an evaporator air temperature is higher than a predetermined temperature, or a face mode when the TAO is lower than the first predetermined temperature and the evaporator air temperature is lower than the predetermined temperature.